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NOTES:

1. ASSEMBLE IAW MPP-241
2. IDENTIFY F/N 44 IAW MPP-120 SECTION 4.4 OR 4.5
3. DISCARD F/N 50 IAW MPP-241

		1	1	1													35	654.6514	DIFFUSER CAP -4, FLARELESS			
					1			1			1			1			34	654.6512	DIFFUSER CAP -8			
						1			1			1			1		33	654.6511	DIFFUSER CAP -6			
	1						1			1			1			1	32	654.6510	DIFFUSER CAP -4			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31	654.6412	FILL PISTON FITTING			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	654.6411	PLUG FITTING			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29	654.6410	FILL PORT			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	28	651.9910	BAYONET			
		1	1	1													27	650.6216	BANJO -4, FLARELESS			
					1			1			1			1			26	650.6212	BANJO -8			
						1			1			1			1		25	650.6211	BANJO -6			
	1						1			1			1			1	24	650.6210	BANJO -4			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	23	647.3010	TRIGGER PISTON			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22	647.2910	SPRING CAP			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21	645.7710	SHROUD			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20	645.6910	PULL ROD			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	645.6810	PULL ROD HOUSING			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	645.6510	PUNCTURE DISC RETAINER			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	645.6210	BAYONET HOUSING			
			1														16	601.4415	PRESSURE TRANSDUCER			
	1	1															15	601.4403	90 DEGREE GAUGE ADAPTER			
1			1														14	601.4393	DUST CAP			
		1															13	601.4369	THERMOMANOMETER			
	1			1	1	1	1	1	1	1	1	1	1	1	1	1	12	601.3739	GAUGE			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	601.2953	O-RING, SQUARE			
	1	1	1	1	1				1	1	1				1	1	1	10	601.2413	SAFETY DISC RETAINER		
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9	601.1083	O-RING			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	601.0761	SAFETY PIN			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	600.0339	BAYONET SPRING			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	600.0318	PLUNGER			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	600.0266	FUSIBLE PLUG			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	600.0259	PUNCTURE DISC			
					1	1	1					1	1	1			3	600.0250	SAFETY DISC RETAINER			
1					1	1	1					1	1	1			2	600.0249	SAFETY DISC			
1	1	1	1	1				1	1	1				1	1	1	1	600.0248	SAFETY DISC			
X																		655.3999	655.3900 VALVE ASSEMBLY OVERHAUL KIT			
	X																	655.3916	VALVE ASSEMBLY -4 W/ 90 DEGREE GAUGE			
		X																655.3915	VALVE ASSEMBLY -4 W/ THERMOMANOMETER			
			X															655.3914	VALVE ASSEMBLY -4 W/ PRESSURE TRANSDUCER			
				X														655.3913	VALVE ASSEMBLY -4			
					X													655.3912	VALVE ASSEMBLY -8 LOW			
						X												655.3911	VALVE ASSEMBLY -6 LOW			
							X											655.3910	VALVE ASSEMBLY -4 LOW			
								X										655.3909	VALVE ASSEMBLY -8			
									X									655.3908	VALVE ASSEMBLY -6			
										X								655.3907	VALVE ASSEMBLY -4			
											X							655.3906	VALVE ASSEMBLY -8 LOW			
												X						655.3905	VALVE ASSEMBLY -6 LOW			
													X					655.3904	VALVE ASSEMBLY -4 LOW			
														X				655.3903	VALVE ASSEMBLY -8			
															X			655.3902	VALVE ASSEMBLY -6			
																X		655.3901	VALVE ASSEMBLY -4			
.3999	.3916	.3915	.3914	.3913	.3912	.3911	.3910	.3909	.3908	.3907	.3906	.3905	.3904	.3903	.3902	.3901	F/N	P/N	DESCRIPTION	MAT'L	SPEC	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
N/C	INITIAL RELEASE	03-20-23	J. GARDINER

QTY

NEXT ASSY (\$)

ORIGINAL DATE
(MO-DA-YR) 03-20-23

DRAWN BY
K. TAILOR

CHECKER
R. FUENTES

DRAWING APPROVAL
J. GARDINER
03-20-23

CONTRACT No.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

DART

AEROSPACE

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

VALVE ASSEMBLY

SIZE B CAGE CODE 07MZ6 DWG. NO. 655.3900 REV. N/C

SCALE NONE SHEET 1 OF 8

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A

B

C

D

	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	70	MS20995C20	SAFETY WIRE		
	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	69	601.1928	TORQUE SEAL	F-925 SKYDROL RES.	
	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	68	600.1044	O-RING GREASE/LUBRICANT	KRYTOX 240AZ	
	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	67	600.0903	LOCTITE RETAINING COMPOUND	LOCTITE 222MS	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	66	NAS1352N06-16	SOCKET HEAD CAP SCREW		
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	65	NAS1352N06-12	SOCKET HEAD CAP SCREW		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	64	NAS1611-006A	O-RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	63	NAS1149C0663R	WASHER		
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	62	NAS620C6	WASHER		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	61	MS35650-364	NUT		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	60	MS35275-211	SCREW		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	59	MS28775-022	O-RING		
1			1														58	MS28775-017	O-RING		
1		1															57	MS28775-013	O-RING		
3	3	3	3	3	1	3	3	1	3	3	1	3	3	1	3	3	56	MS28775-012	O-RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	55	MS28775-011	O-RING		
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	54	MS28775-008	O-RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	53	MS28775-007	O-RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	52	MS19060-1012	TRIGGER BALL		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	51	MS16624-4037	SNAP RING		
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	M83461/2-910	O-RING		
4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	49	M83461/2-908	O-RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	48	M83461/2-906	O-RING		
2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	47	M83461/2-905	O-RING		
3	2	2	1	1	3	1	1	3	1	1	3	1	1	3	1	1	46	M83461/2-904	O-RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	45	M83461/2-902	O-RING		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	44	655.3810	VALVE BODY		
					1			1			1			1			43	655.3602	SWIVEL FITTING ASSEMBLY		
	1	1	1	1		1	1		1	1		1	1		1	1	42	655.3601	SWIVEL FITTING ASSEMBLY		
	1	1															41	655.2720	ANGLED FITTING ADAPTER		
					1	1	1	1	1	1							40	655.2715	EXTENDED GAUGE ADAPTER		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	39	655.2713	THERMAL ADAPTER		
				1							1	1	1	1	1	1	38	655.2712	GAUGE ADAPTER		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	37	655.2711	FILL PORT ADAPTER		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36	655.2710	SAFETY DISC ADAPTER		
.3999	.3916	.3915	.3914	.3913	.3912	.3911	.3910	.3909	.3908	.3907	.3906	.3905	.3904	.3903	.3902	.3901	F/N	P/N	DESCRIPTION	MAT'L	SPEC

QTY		PARTS LIST				
NEXT ASSY (\$)	ORIGINAL DATE (MO-DA-YR) 03-20-23		<div>DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE</div>		VALVE ASSEMBLY	
	DRAWN BY K. TAILOR					
	CHECKER R. FUENTES					
	DRAWING APPROVAL J. GARDINER 03-20-23					
		CONTRACT No.				
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°				
		SIZE B	CAGE CODE 07MZ6	DWG. NO. 655.3900	REV. N/C	
		SCALE NONE		SHEET 2 OF 8		

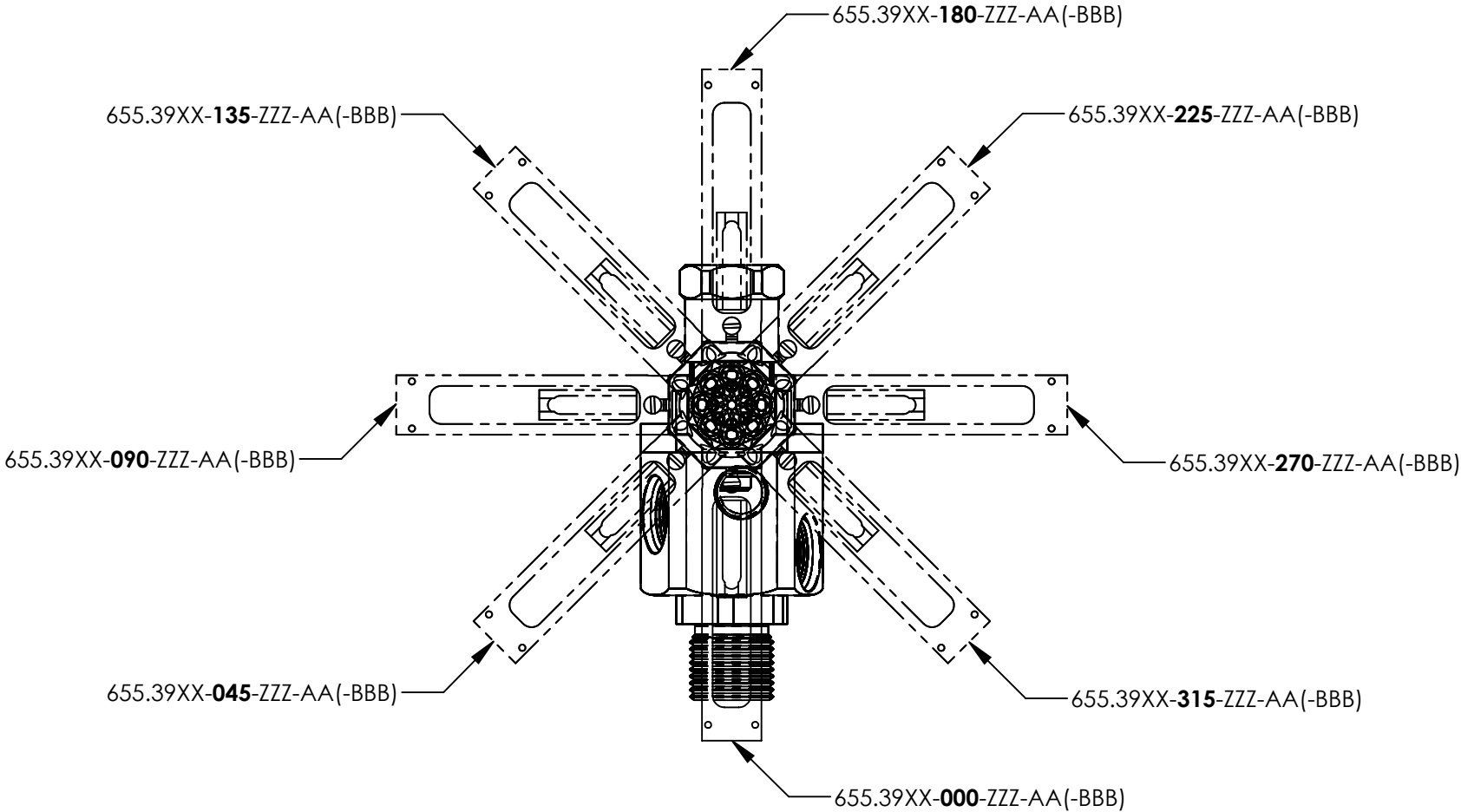
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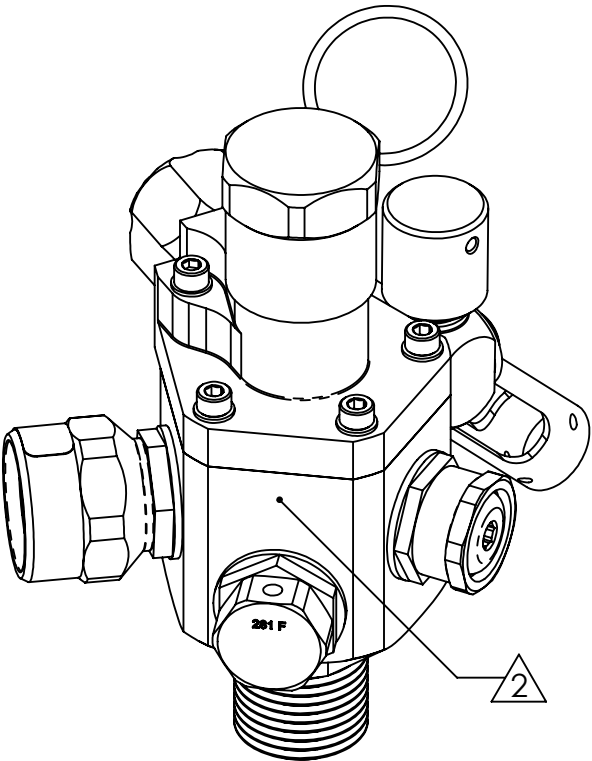
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C

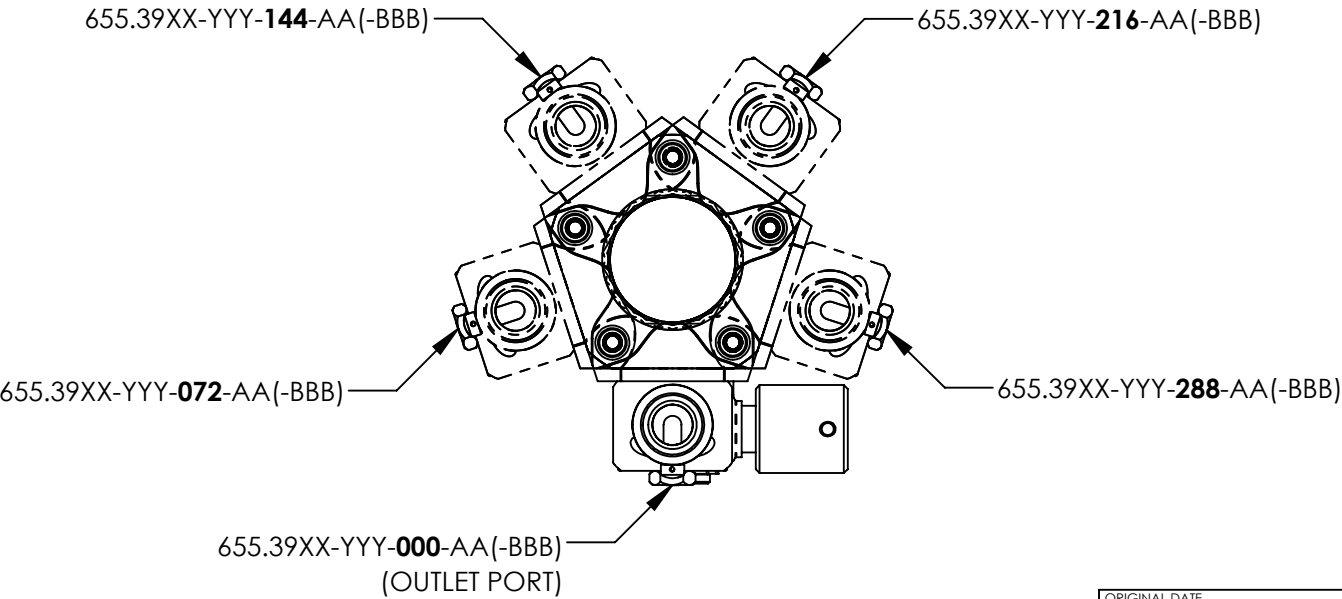
D



ANGLE OF PULL ROD HOUSING
655.39XX-YYY-ZZZ-AA(-BBB)
(RELATIVE TO VALVE BODY)



655.39XX-YYY-ZZZ-AA(-BBB)
(XX IS THE ROOT DRAWING NUMBER)
(REFER TO TABLE 1 FOR DASH NUMBER DESIGNATIONS)
(655.3901-045-288-10 SHOWN)



ANGLE OF BAYONET HOUSING
655.39XX-YYY-ZZZ-AA(-BBB)
(RELATIVE TO OUTLET PORT)

TABLE 1	
DASH NUMBER	DESIGNATION
YYY	ANGLE OF PULL ROD HOUSING
ZZZ	ANGLE OF BAYONET HOUSING
AA	PORT POSITION CODE (REFER TO TABLE 2)
BBB	ANGLE OF GAUGE (IF APPLICABLE)

ORIGINAL DATE (MO-DA-YR) 03-20-23		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY K. TAILOR	CHECKER R. FUENTES		
DRAWING APPROVAL J. GARDINER 03-20-23		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B 07MZ6	REV. N/C
		DWG. NO. 655.3900	SHEET 3 OF 8
		SCALE NONE	

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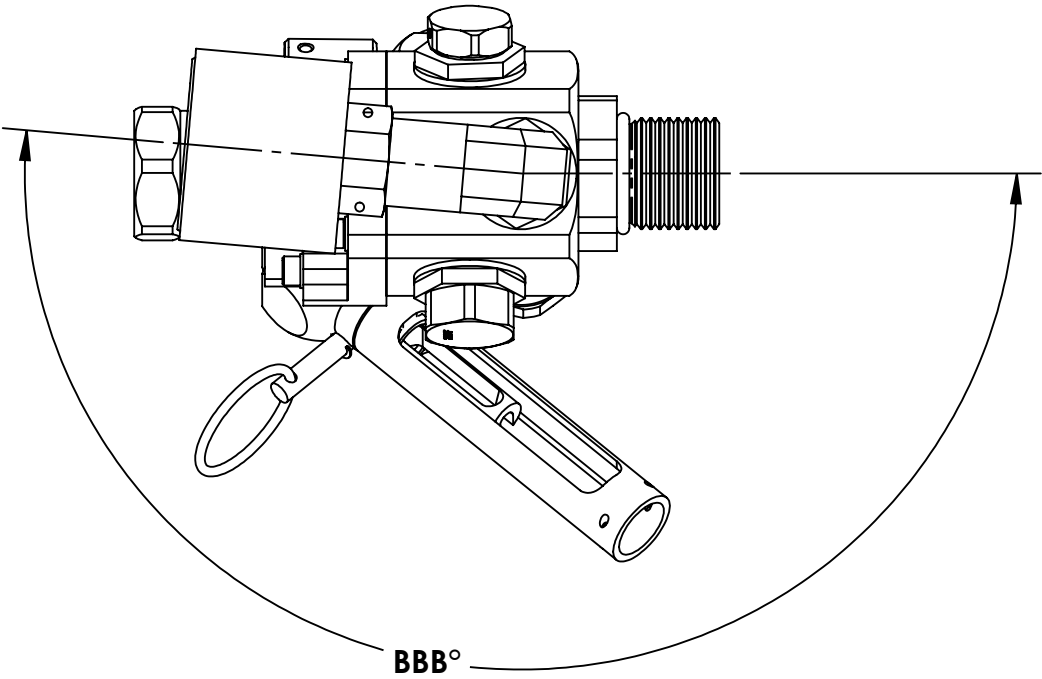
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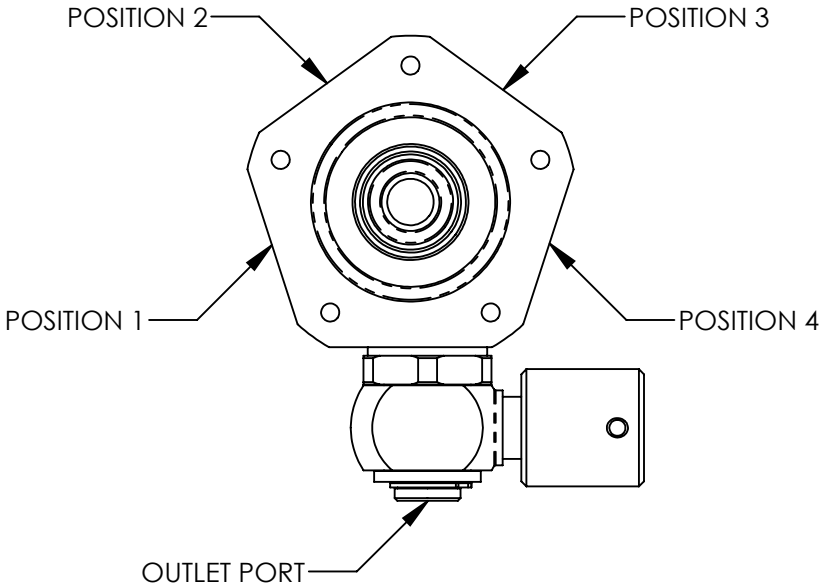
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TABLE 2

PORT POSITION CODE (AA)	POSITION 1	POSITION 2	POSITION 3	POSITION 4
01	GAUGE	FILL	SAFETY	THERMAL
02	GAUGE	FILL	THERMAL	SAFETY
03	GAUGE	THERMAL	SAFETY	FILL
04	GAUGE	THERMAL	FILL	SAFETY
05	GAUGE	SAFETY	THERMAL	FILL
06	GAUGE	SAFETY	FILL	THERMAL
07	FILL	GAUGE	SAFETY	THERMAL
08	FILL	GAUGE	THERMAL	SAFETY
09	FILL	THERMAL	SAFETY	GAUGE
10	FILL	THERMAL	GAUGE	SAFETY
11	FILL	SAFETY	THERMAL	GAUGE
12	FILL	SAFETY	GAUGE	THERMAL
13	THERMAL	FILL	SAFETY	GAUGE
14	THERMAL	FILL	GAUGE	SAFETY
15	THERMAL	SAFETY	FILL	GAUGE
16	THERMAL	SAFETY	GAUGE	FILL
17	THERMAL	GAUGE	SAFETY	FILL
18	THERMAL	GAUGE	FILL	SAFETY
19	SAFETY	FILL	GAUGE	THERMAL
20	SAFETY	FILL	THERMAL	GAUGE
21	SAFETY	THERMAL	GAUGE	FILL
22	SAFETY	THERMAL	FILL	GAUGE
23	SAFETY	GAUGE	FILL	THERMAL
24	SAFETY	GAUGE	THERMAL	FILL



ANGLE OF GAUGE
655.39XX-YYY-ZZZ-AA-BBB
(655.3915-315-288-24-185 SHOWN)
(RELATIVE TO VALVE BODY)



PORT POSITION CODE
655.39XX-YYY-ZZZ-AA(-BBB)
(REFER TO TABLE 2 FOR PORT POSITION CODE)
(RELATIVE TO OUTLET PORT)

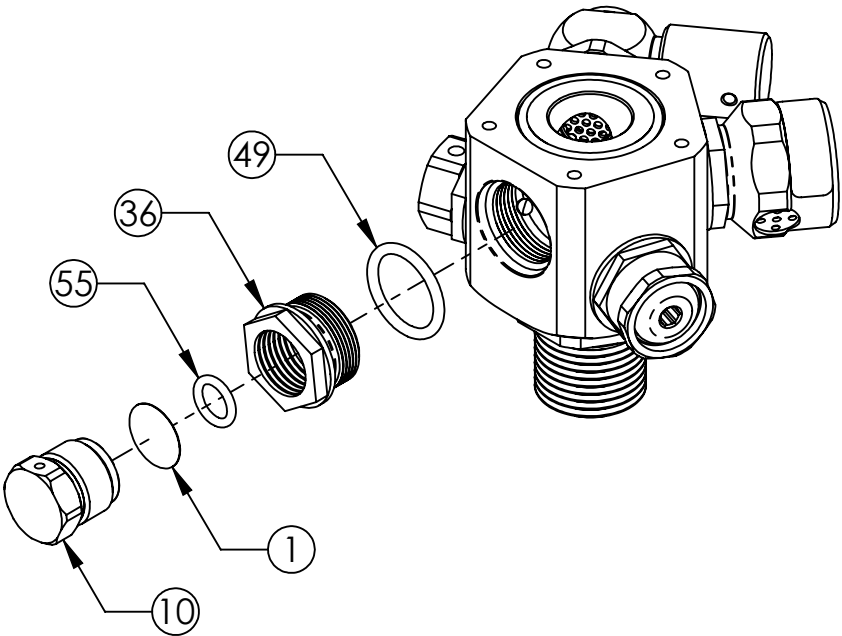
ORIGINAL DATE (MO-DA-YR) 03-20-23		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY K. TAILOR	CHECKER R. FUENTES		
DRAWING APPROVAL J. GARDINER 03-20-23		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. N/C
		CAGE CODE 07MZ6	DWG. NO. 655.3900
		SCALE NONE	SHEET 4 OF 8

D

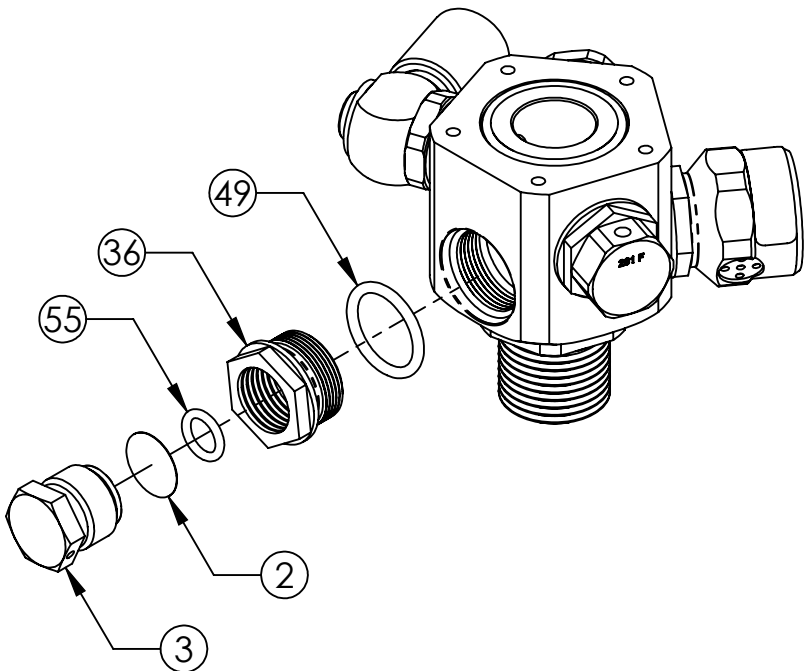


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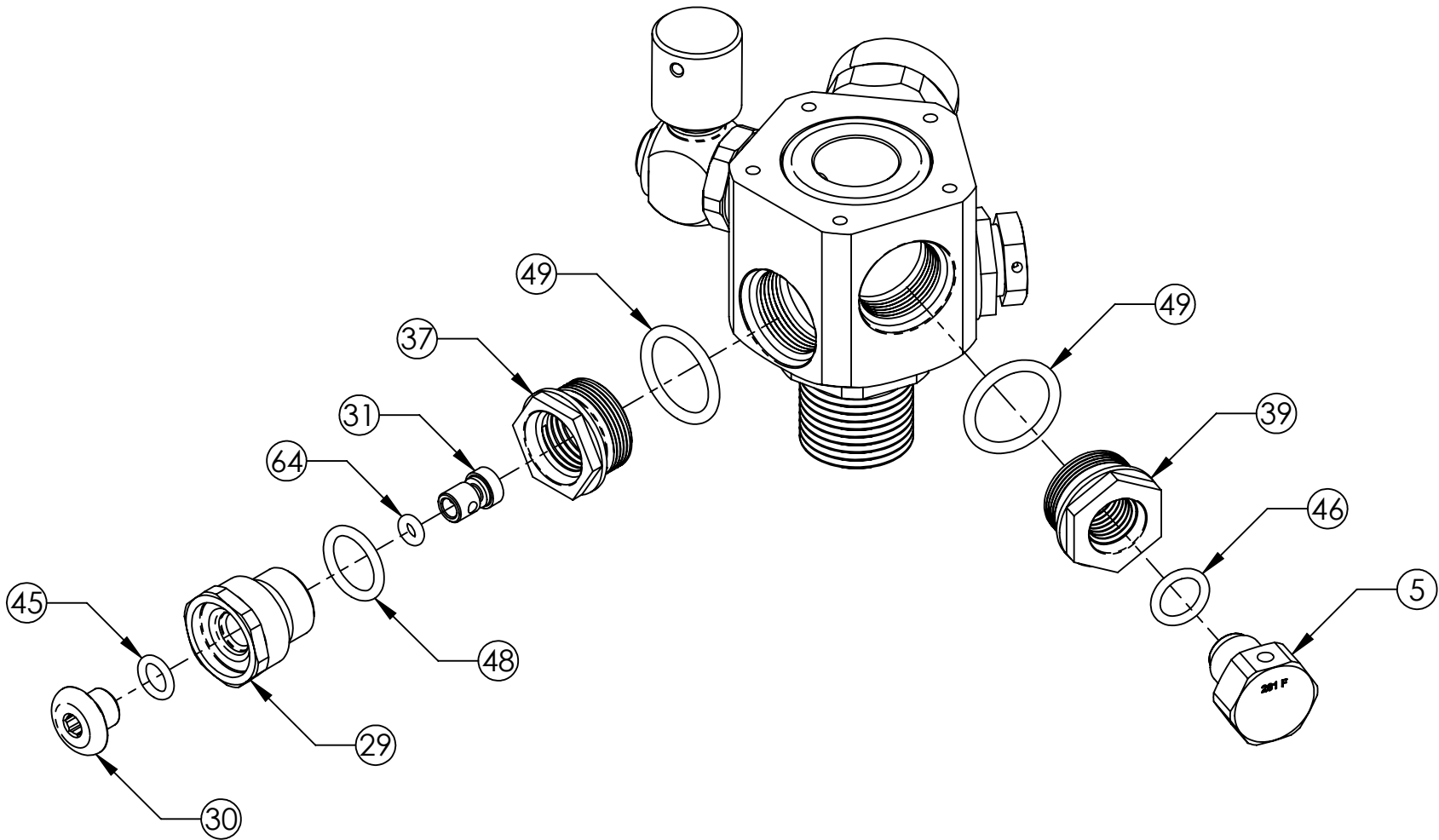
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TYPICAL 601.2413 SAFETY DISC RETAINER INSTALLATION
(APPLICABLE TO 655.3901-655.3903, 655.3907-655.3909,
AND 655.3913-655.3916 CONFIGURATIONS)



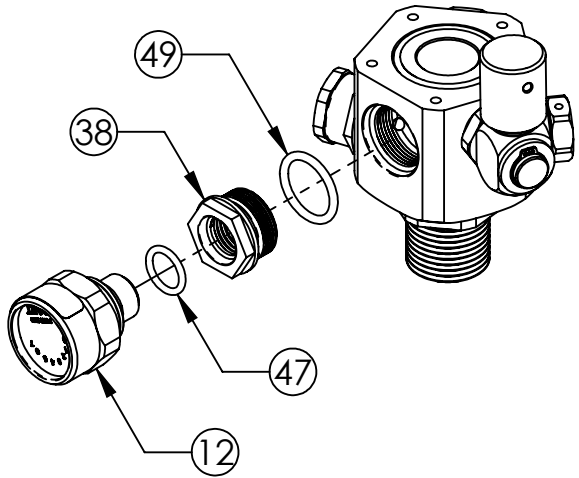
TYPICAL 600.0250 SAFETY DISC RETAINER INSTALLATION
(APPLICABLE TO 655.3904-655.3906 AND
655.3910-655.3912 CONFIGURATIONS)



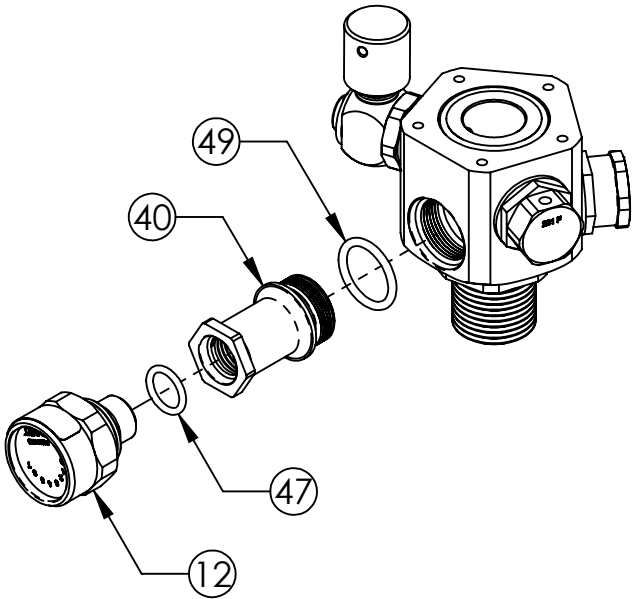
TYPICAL FILL PORT AND THERMAL PORT INSTALLATION
(ALL CONFIGURATIONS)

ORIGINAL DATE (MO-DA-YR) 03-20-23		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY K. TAILOR	CHECKER R. FUENTES		
DRAWING APPROVAL J. GARDINER 03-20-23		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. N/C
		CAGE CODE 07MZ6	DWG. NO. 655.3900
		SCALE NONE	SHEET 6 OF 8

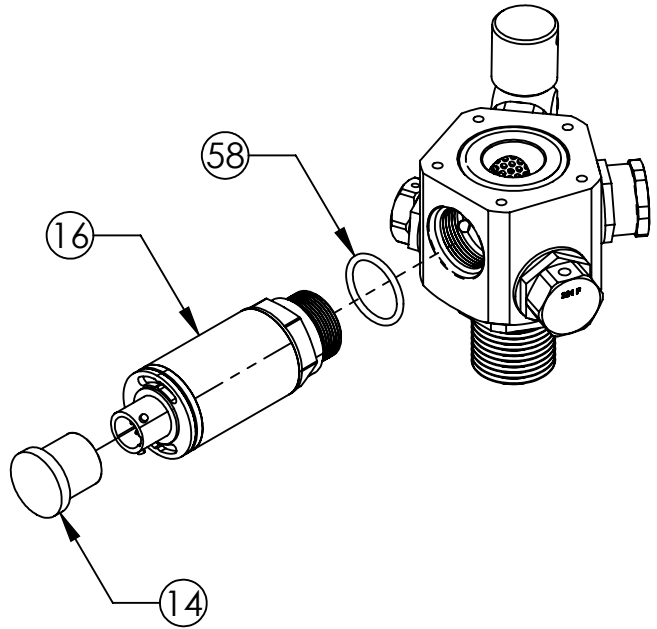
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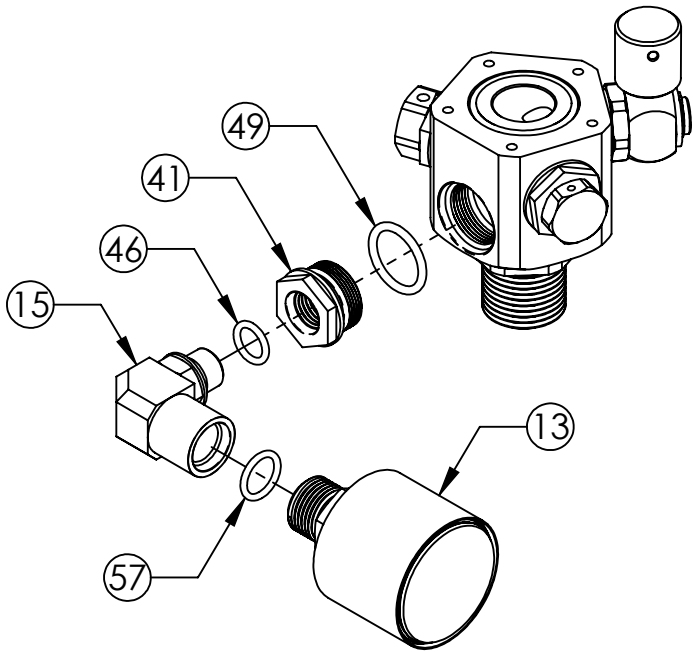
TYPICAL GAUGE INSTALLATION
(APPLICABLE TO 655.3901-655.3906
AND 655.3913 CONFIGURATIONS)



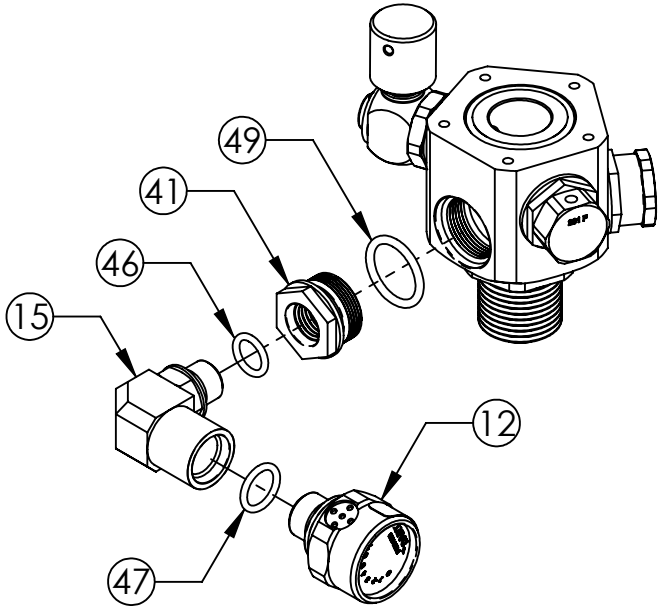
TYPICAL EXTENDED GAUGE INSTALLATION
(APPLICABLE TO 655.3907-655.3912 CONFIGURATIONS)



TYPICAL PRESSURE TRANSDUCER INSTALLATION
(APPLICABLE TO 655.3914 CONFIGURATION)



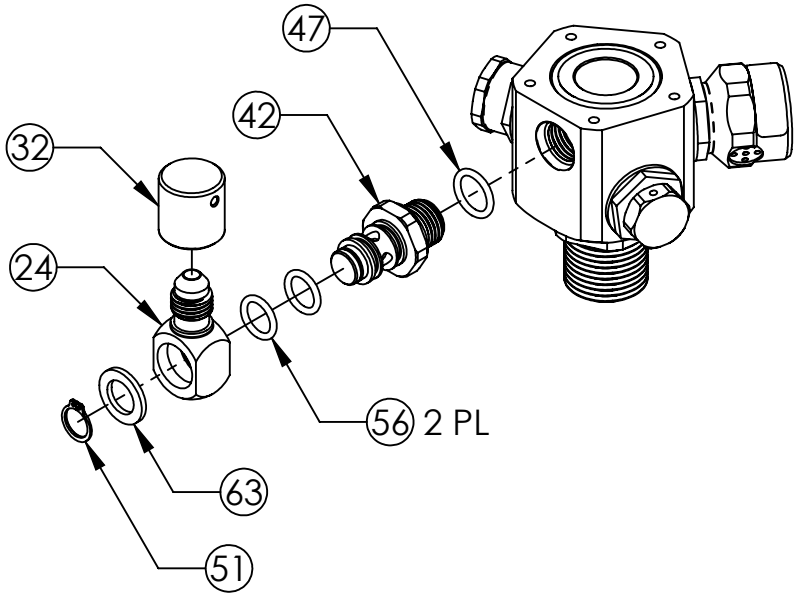
TYPICAL THERMOMANOMETER INSTALLATION
(APPLICABLE TO 655.3915 CONFIGURATION)



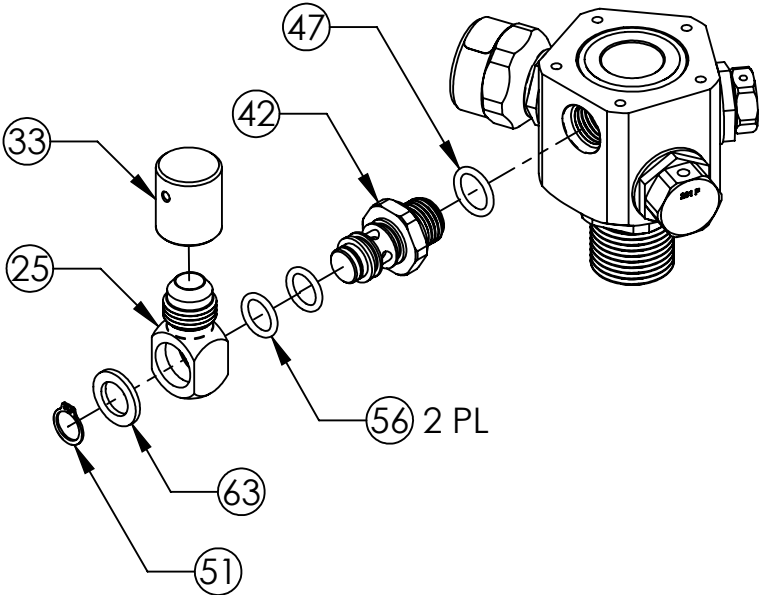
TYPICAL 90 DEGREE GAUGE INSTALLATION
(APPLICABLE TO 655.3916 CONFIGURATION)

ORIGINAL DATE (MO-DA-YR) 03-20-23		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
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DRAWING APPROVAL J. GARDINER 03-20-23		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSEMBLY	
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		CAGE CODE 07MZ6	DWG. NO. 655.3900
		SCALE NONE	SHEET 7 OF 8

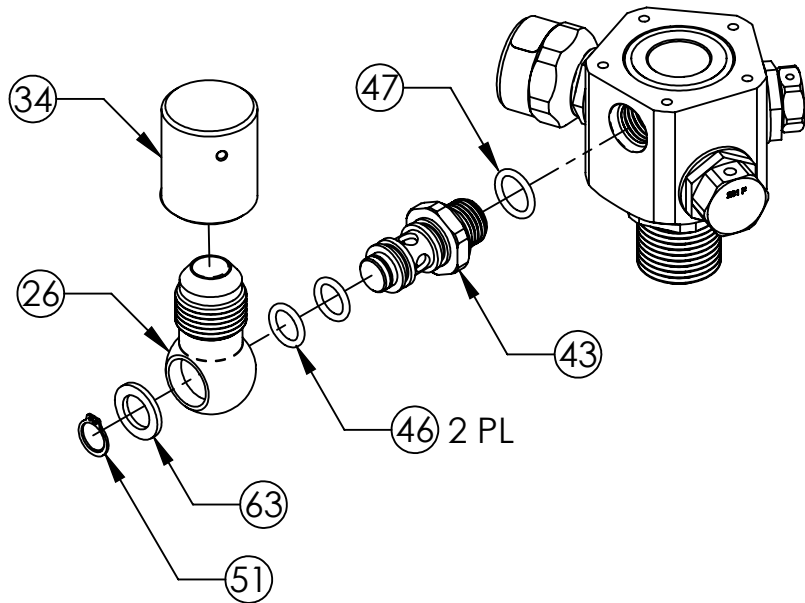
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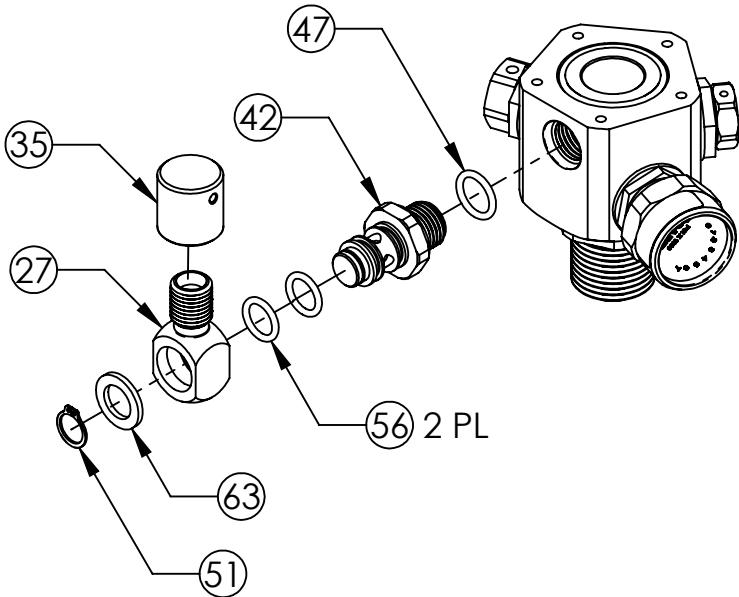
TYPICAL -4 OUTLET INSTALLATION
(APPLICABLE TO 655.3901/.3904/.3907
AND 655.3910/.3916 CONFIGURATIONS)



TYPICAL -6 OUTLET INSTALLATION
(APPLICABLE TO 655.3902/.3905/.3908
AND 655.3911 CONFIGURATIONS)



TYPICAL -8 OUTLET INSTALLATION
(APPLICABLE TO 655.3903/.3906/.3909
AND 655.3912 CONFIGURATIONS)



TYPICAL -4 FLARELESS OUTLET INSTALLATION
(APPLICABLE TO 655.3913/.3914/.3915 CONFIGURATIONS)

ORIGINAL DATE (MO-DA-YR) 03-20-23		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY K. TAILOR	CHECKER R. FUENTES		
DRAWING APPROVAL J. GARDINER 03-20-23		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. N/C
		CAGE CODE 07MZ6	DWG. NO. 655.3900
		SCALE NONE	SHEET 8 OF 8